



**SECTIONAL LIST**

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**1**

**GOVERNMENT PUBLICATIONS**

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# **Agriculture and Food**

**Publications of the  
Ministry of Agriculture, Fisheries and Food,  
and Department of Agriculture  
and Fisheries for Scotland**

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**Revised  
1 April 1976**

**Her Majesty's Stationery Office**



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# Government Publications Sectional List No. 1

## Agriculture and Food

*Of publications of a periodical or recurring nature, only the most recent issue is included. Particulars of previous issues will be supplied on request.*

*Parliamentary Publications are not, in general, included in Sectional Lists. Exceptions are the latest issues of annual reports, publications which are part of series containing non-Parliamentary titles, and certain major publications the Parliamentary status of which is not significant to the general public. Details of other Parliamentary Publications, including Acts, will be supplied on request. Regulations and other Statutory Instruments are catalogued in a separate series and do not appear in the Sectional Lists.*

*Entries appearing in this list for the first time are marked (§).*

*Publications for the Department of Agriculture and Fisheries for Scotland are marked (†).*

*Publications have been grouped under subject headings. Net prices are quoted. See page 2 regarding postal charges. Prices and availability are correct at time of going to press, but are subject to alteration without notice.*

*All prices shown in this list are exclusive of VAT.*

*To ensure a speedy and efficient service customers are advised to send their orders to the nearest bookshop. (In London area orders should be sent to P.O. Box 569, SE1 9NH). Please quote the full title including any reference numbers and price when ordering by post.*

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Abbreviations used throughout the list:

A.B.	Advisory Bulletin
A.L.	Advisory Leaflet
F.E.F.	Fixed Equipment of the Farm Leaflet
H.M.L.	Horticultural Machinery Leaflet
M.L.	Mechanization Leaflet

The titles of Fisheries Publications are shown in Sectional List No. 23



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13p	14½p	21p
15p	16½p	23½p
17p	18p	26p
22½p	24p	42p



# I PERIODICALS AND SERIAL PUBLICATIONS

## PERIODICALS

### "A.D.A.S. Quarterly Review"

(The Journal of the Agricultural Development and Advisory Service)

A technical publication for officers of the Agricultural Development and Advisory Service and the more technically-minded farmer and horticulturalist. Contains articles on current technical and scientific aspects of farming (46 pp.). Annual subscription £2.16 (including postage); single issues 115g 45p

### "Plant Pathology"

A scientific quarterly containing original contributions on technical aspects of plant diseases and pest infestation. Published March-June-September-December. (48 pp.) Annual subscription £3.76 (including postage); single issues 150g 85p

## SERIAL PUBLICATIONS

### "Experimental Horticulture"

No. 1. November 1957. Contents include: Reports on glasshouse heating in Lancashire; rhubarb forcing; chemical control of weeds in strawberries; and the problems of raspberry growing in the Peak District. (58 pp.) 115g 17½p

No. 2. January 1959. Contents include: Influence of glasshouse shape in east-west propagating houses; effects of different methods of planting cyclamen; observations on gerbera growing. (59 pp.) 170g 17½p

No. 3. February 1960. Contents include: Shelter for horticultural crops; asparagus trials; early cauliflower trials; rhubarb spacing experiments; frost protection under cloches by the use of irrigation water. (74 pp.) 170g 22½p

No. 4. May 1961. Contents include: Home production of early potato seed; field temperatures and the forcing of rhubarb; onion production from sets; trapping bullfinches; study of shelter belts. (80 pp.) 115g 25p

No. 5. October 1961. Contents include: effect of day-length on carnations; varieties of marrow for frames; effect of day-length during germination of cauliflower; water requirement of tomatoes; anemone spacing; home production of seed for early potatoes; experiments with mushrooms; bulky organic manures. (67 pp.) 170g 25p

No. 6. July 1962. Special Fruit Number with reports on variety, trials, pests and diseases and cultural investigations. (90 pp.) (*Out of print*)

No. 7. August 1962. Contents include: costs of home production of early potato seed; the stopping of Brussels sprouts; growing onions for pickling; shelter screens at Luddington; spacing for tomatoes; raising plants for the unheated tomato crop; tomato variety trials. (93 pp.) 225g 32½p

No. 8. February 1963. This number covers a wide range of subjects, from tomato growing under glass, to gooseberries, strawberries and several flower crops. Illustrated. (116 pp.) 225g 35p

No. 9. June 1963. This number covers a range of subjects from glasshouse crops to fruit, vegetables and flowers. Illustrated. (106 pp.) (*Out of print*)

No. 10. December 1963. Contents include: Climbing French Beans; Red Spider Mite on cucumbers; construction of glasshouses; economics of picking mushrooms at different stages; mist spraying for apple pests; annual cropping of strawberries; strawberries under cloches; spacing for quick freeze Brussels sprouts; nitrogen top dressings for spring cabbage; spring cabbage varieties; sweet corn grown in frames; wallflower varieties; hot water treatment of bulb eelworm. (103 pp.) 170g 35p

No. 11. October 1964. Contents include: Reports on tomato and lettuce crops with two notes on daffodils. Other subjects covered are control of carrot fly in celery and seed production for early potatoes. (77 pp.) 225g 32½p



## Serial Publications, Experimental Horticulture (*contd.*)

No. 12. March 1965. Contains reports on strawberries and tomato crops. Other subjects dealt with are winter lettuce, trashing of mushroom beds, brussels sprouts, out-of-season propagation of apples and pears and basic soil tillage for vegetables. (102 pp.) 225g 40p

No. 13. October 1965. Contains articles on various aspects of glasshouse crops, also on strawberries and blueberries; it describes four trials carried out on vegetables, and on antirrhinums and narcissus bulbs. (102 pp.) 225g 40p

No. 15. July 1966. A special fruit number with articles on several aspects of the production of apples, blackcurrants and strawberries. (103 pp.) 225g 45p

No. 16. January 1967. Reports on experiments of interest to growers of fruit, vegetables and flowers, professional gardeners, seedsmen, plant scientists and electrical engineers. (141 pp.) 225g 52½p

No. 17. November 1967. Contents include: articles on various aspects of flower growing; also on mushroom compost, red beet, cauliflowers, apples and strawberries. 81 pp.) 170g 40p

No. 19. February 1969. Reports of experiments on the subject of shelter belts, vegetable crops, tulips, strawberries, and cider apples. (93 pp.) (11 240809 5) 225g 52½p

No. 20. September 1969. Describes experiments in commercial horticulture of various flowers, salad crops, strawberries, onions and carrots. (90 pp.) (11 240810 9) 170g 47½p

No. 21. June 1970. Investigations in apple growing, strawberry cultivation, annual weeds, storing beetroot, harvesting pea seed crops and field flowering of narcissus. (94 pp.) (11 240911 7) 170g 47½p

No. 22. August 1971. Describes experiments in glasshouse light transmission, soil in commercial tomato houses and various problems in the growing of carnations, tulips, irises, anemones and blackcurrants. (48 pp.) (11 240812 5) 115g 40p

No. 23. June 1972. Reports of experiments on cauliflower, cabbage, celery and onions, and on bulb flower crops and fruit crops. (99 pp.) (11 240813 3) 170g 68p

No. 24. January 1973. Included are reports on long-term experiments on the production of apples and the effects of soil management and NPK fertilizers on tree growth. Studies of gooseberries, strawberries and rhubarb, spring cabbage and brussels sprouts are described and the cool storage of cut narcissus is discussed. (92 pp.) (11 240814 1) 170g 68p

No. 25. November 1973. This issue features reports on experiments undertaken with several major vegetable crops, namely brussels sprouts, cauliflowers and bulb onions. Glasshouse crops are also covered and the subjects reported include early celery production in heated glass, and the propagation of lettuce aided by artificial illumination. Other topics reported include techniques for improving the quality of early harvested apples and iris flower production. (137 pp.) (11 240815 X) 225g 85p

No. 26. November 1974. Contents include: two articles on glasshouse chrysanthemums; production of seed raised freesias in peat; control of tulip fire by fungicidal dipping; two studies on tree fruits (apples and plums); and in trials on vegetables, three on cauliflowers, two on maincrop carrots and one on brussels sprouts are reported. (131 pp.) (0 11 240816 8) 225g £1.10

No. 27. September 1975. Contents include: three articles on chrysanthemums; rooting of hardwood cuttings of rose rootstocks and cultivars; glasshouse heating; storing cucumbers; manuring of apple orchards; survival and vigour of cold stored strawberry plants; early outdoor lettuce production; aqueous ammonia as a source of nitrogen for brussels sprouts and weed control in red beet. (89 pp.) (0 11 240817 6) 225g £1.15



## Serial Publications (*contd.*)

### “Experimental Husbandry”

No. 1. June 1956. Contents include: Manurial requirements of light Fen peat soils; a comparison of three varieties of barley at three levels of manuring; nitrogenous manuring of wheat; manuring potatoes with NPK; and a comparison of different breeds and crosses for beef production. (64 pp.) 170g 15p

No. 2. February 1957. Contents include: Seed rates for spring barley and winter wheat; nitrogen for sugar beet on a heavy loam soil in Norfolk; performance of three sheep breeds on the Yorkshire Wolds; diets for laying fowls; feeding procaine penicillin to pigs; and weed control in seedling lucerne. (77 pp.) 170g 17½p

No. 3. April 1958. Contents include: Comparison of two wheat varieties sown in autumn and in spring; effect of delayed singling on the yield of sugar beet; hand and machine planting of potatoes; nitrogenous manuring of kale. (72pp.) 170g 22½p

No. 4. June 1959. Contents include: Effect of date of planting on yield of maincrop potatoes; kale trials; nitrogen content of barley grain; and haymaking research and experiments. (79 pp.) 170g 22½p

No. 5. January 1961. Contents include: Sowing dates, seed rates and nitrogen for spring wheat; improvement of permanent pasture; rearing calves for veal; the value of cross breeding for pork and bacon production. (93 pp.) (*Out of print*)

No. 6. April 1961. Contents include: Ploughing down fertilizer for sugar beet; rearing calves on a reduced quantity of whole milk; free choice feeding for laying hens. (108 pp.) 225g 27½p

No. 7. May 1962. Contents include: Effect of irrigation on sugar beet and potatoes; placement of fertilizer for sugar beet; PCP as a pre-emergence chemical treatment in the control of weeds in kale and turnips; mecoprop and a mixture of MCPA and 2, 3, 6-TBA for the control of weeds in cereals; progeny testing of beef bulls used in natural service; feeding supplementary concentrates to dairy cows on grass during May and June; out-wintering beef cattle; management of ewes and lambs on grass; housing of deep litter poultry; phosphate experiments on restored opencast coal soils. (123 pp.) 225g 35p

No. 8. October 1962. Contents include: Mash versus oat rearing as an aid to increased egg weight; feeding of brewers' yeast to dairy cows; residual effects of phosphorus fertilizers on yields of arable crops. (114 pp.) (*Out of print*)

No. 9. June 1963. Contents include the results of experiments on manuring of potatoes, grassland and fodder roots, ewe management and a performance test of beef bulls. (71 pp.) 170g 32½p

No. 10. 1964. Contents include: Fertilizer trials on grass and root crops; comparison of rotational and permanent pasture and grazing studies. (115 pp.) 225g 35p

No. 11. December 1964. Contents include: Storage conditions affecting the sprouting of seed potatoes and their yield; method of applying fertilizer for spring cereals; the management of permanent grassland grazed by sheep in the autumn and spring; relative production from grassland when conserved as silage, barn dried hay or field dried hay; field experiments on the phosphate requirements of spring wheat and barley. (99 pp.) 225g 35p

No. 12. December 1965. Contents include: Field experiments on the fertilizer requirements of early potatoes; the effect of nitrogen on spring cereals and winter wheat; potato blight control trials at Terrington Experimental Husbandry Farm; mash versus grain rearing and the effect on egg production of the laying mash. (174 pp.) 280g 55p

No. 13. May 1966. Contents include: Wintering of gimmer hogs; mechanizing the swede crop; effect of irrigation on the yield of early potatoes and cereals; a comparison of the effects of liquid and solid nitrogenous top-dressings for winter wheat. (99 pp.) 225g 37½p



## Serial Publications, Experimental Husbandry (*contd.*)

No. 14. December 1966. Contents include: Loss of egg weight under two months of storage; the effect of additional barley on the yield and composition of the milk produced by high-yielding Friesian cows; effect of irrigation on yield and tuber diseases of maincrop potatoes; the effect of cultivations herbicide and weed control on potatoes; experiments comparing broadcast and combine drilled dressings of several NPK fertilizers for spring barley. (106 pp.) 225g 40p

No. 15. August 1967. Contents include: some factors affecting the *in vivo* digestibility of hay and silage; cooling and humidifying eggs during farm storage; fertilizer replacement trials with maincrop potatoes; comparisons of yard-fed bulls and steers for beef production and liquid skim milk for bacon pigs. (103 pp.) 225g 40p

No. 16. August 1968. Contents include: The crossbred progeny test of beef bulls; the effects on yield of maincrop potatoes of different methods of fertilizer application; the eating quality of meat from Charolais crosses: crop rotation for experimental stations; population studies with Majestic potatoes in rows and in beds. (104 pp.) 225g 47½p

No. 17. November 1968. A comparison between early weaning of calves off whole milk at three weeks and off milk substitute at five weeks of age; field comparisons between compound and straight fertilizers for sugar beet; intensive fat lamb production from grass; experiments on the P and K requirements of barley; the relationship between birthcoat and various characteristics in the Welsh mountain sheep. (79 pp.) (11 240787 0) 225g 37½p

No. 18. July 1969. Contents include: Manuring of meadows in the Pennines; crossbred progeny of performance-tested bulls; survey of wind erosion on sandy soils in the East Midlands; 12 years of continuous barley cropping; spraying of cereals for the control of weeds. (109 pp.) (11 240788 9) 225g 52½p

No. 19. November 1970. Contents include: Three articles on fertilizing value of animal slurries, pre-war experiments using kiln-dried poultry manure, irrigation of sugar beet, sheep production and stocking rates of hill pastures, N on two-year leys, chlormequat on yield of spring barley and spring oats. (105 pp.) (11 240789 7) 225g 47½p

No. 20. November 1971. Contents include: Field beans in the diets of bacon pigs; beef from spring born calves; chitting techniques for seed potato production; farm scale comparison of permanent and temporary grass; population studies with maincrop potato varieties. (102 pp.) (11 240790 0) 225g 65p

No. 21. April 1972. Four of the articles in the latest issue of 'Experimental Husbandry' deal with various aspects of the potato crop. One describes a series of trials carried out in South-west England in which different sizes and sources of seed for early potatoes were compared and the others report work on the maincrop potato production at Terrington Experimental Husbandry Farm. Other subjects include the manuring of grass for hay in Derbyshire and feeding concentrates to young grazing cattle. (124 pp.) (11 240791 9) 280g 90p

No. 22. November 1972. Contents include: Manuring of permanent meadows; seed size and spacing for potato seed production; farm unit study of intensive fat lamb production; effect of seed rate, nitrogen and irrigation on Pentland Crown potatoes; annual versus a large single application of phosphate for a five year cereal rotation. (103 pp.) (11 240792 7) 225g 68p

No. 23. February 1973. Perhaps the most significant article in the latest issue of 'Experimental Husbandry' is the paper dealing with the first 12 years' results of work carried out on six Experimental Husbandry Farms to study the effects of leys on soil fertility. Other articles include two dealing respectively with the use of C.C.C. and the effect of herbicides on winter wheat. (105 pp.) (11 240793 5) 225g 68p



## **Serial Publications, Experimental Husbandry (contd.)**

No. 24. September 1973. Contents include: effect of type of planter on maincrop potatoes; feeding dried grass to dairy cows; fungicides for mildew control in spring barley; and factors affecting silage intake of weaned suckled calves. (121 pp.) (11 240794 3) 225g 73p

No. 25. May 1974. Contents include: Intensive stocking of sheep in an arable system; 'Fattening the hill lambs in the North Eastern Pennines' and the 'Effect' of method of straw disposal in an arable rotation. (150 pp.) (0 11 240795 1) 280g 97p

No. 26. August 1974. Long term phosphate manuring experiment on a silt soil. Hoeing of sugar beet in conjunction with a pre-emergence herbicide. A comparison of winter feeds for dairy cows. Harvesting methods for dry peas. Time of sowing spring barley and spring wheat. (102 pp.) (0 11 240796 X) 115g 79p

No. 27. December 1974. The nitrogen rate for continuous winter wheat and continuous spring barley is the subject of two papers in the latest edition of 'Experimental Husbandry'. Other subjects included relate to the problem of management of young beef cattle grazing pasture infected by stomach worms; the use of field beans in pig diets and other aspects of crop and livestock husbandry. (125 pp.) (0 11 240797 8) 225g £1.22

No. 28. April 1975. Muck breakdown and pasture rejection in an intensive paddock system for dairy cows; once a day feeding for calves; the effect of row width, seed rate and herbicides on wild oats in spring barley, and mechanical gapping and drilling to-a-stand as alternatives to hand singling of sugar beet are among the subjects of articles in this issue. (106 pp.) illus. (0 11 240798 6) 225g 95p

§No. 29. September 1975. The effect of break crops introduced into a run of continuous wheat; feeding levels in late pregnancy and early lactation for spring calving single suckler cows; the effect at different levels of protein in diets for intensive beef; anhydrous and aqueous ammonia as fertilizers for upland grass production. (119 pp.) (0 11 240799 4) 220g £1.50

### **Experimental Husbandry Farms and Experimental Horticulture Stations. Progress Reports.**

1966. 170g 40p

1967. 170g 40p

1968. (11 240960 1) 170g 52½p

1969. (11 240961 X) 170g 62½p

1970. (11 240962) 225g 75p

## **II LIVESTOCK**

### **GENERAL LIVESTOCK HUSBANDRY**

**British Poisonous Plants.** Bulletin 161. 2nd edition, 1968. (*Reprinted* 1975) (By A. A. Forsyth, M.R.C.V.S., D.V.S.M.) Gives the common and botanical names of poisonous plants, their effects on animals and the symptoms they induce, together with emergency first-aid treatment where possible. (131 pp.) (11 240461 8) 250g 86p

**Electric Fencing.** Bulletin 147. 4th edition, 1966. (*Reprinted with amendments*, 1972.) Describes the theory and practical application of electric fencing as a means of containing livestock and controlling grazing. Illustrated. (36 pp.) (11 240447 2) 115g 42p

**Fatstock Guarantee Scheme.** 1973-74. (11 241023 5) 115g 29p

**Joint Committee on the use of Antibiotics in Animal Husbandry and Veterinary Medicine.** 1969. Report by the Secretary of State for Social Services, the Secretary of State for Scotland, the Minister of Agriculture, Fisheries and Food and the Secretary of State for Wales. (Chairman: Prof. M. M. Swann) (Cmnd. 4190) (10 141900 7) 170g 42½p

§See note on page 1



## **Livestock, General Livestock Husbandry (contd.)**

**Report of the Technical Committee** to enquire into the welfare of animals kept under Intensive Livestock Husbandry Systems. (Chairman: Prof. F. W. R. Brambell, D.Sc., F.R.S.) (Cmnd. 2836) (*Reprinted* 1974, *revised price*) (0 10 850286 4) 170g 80p

**Silage.** Bulletin 37. 9th edition, 1970. This edition covers the most important features of silage making and its feeding, as practised at the present time. It describes silage making, silo design and evaluation of tower silos. Feeding values and the techniques of growing, harvesting and filling silos to give a high quality silage are also discussed together with the mechanical aids for feeding. (81 pp.) (11 240337 9) 225g 47½p

## **CATTLE**

**Bull Pen.** F.E.F. 16. (11 240556 8) 60g 10p

**Cattle Crushes and Equipment.** F.E.F. 13. 60g 14p

**§Energy Allowances and Feeding Systems for Ruminants.** Technical Bulletin 33. This bulletin sets out practical energy allowances and feeding systems for dairy cows, growing and finishing cattle, and sheep, based on concepts of metabolisable energy and the use, where appropriate, of metabolisable energy systems, all in metric terms. These systems are supported by tables of feed composition and nutritive values to facilitate calculation and the use of data. (79 pp.) (0 11 240894 X) 170g £1.05

**Export of Live Cattle.** 1957. Report of the Committee of Enquiry into the Export of Live Cattle to the Continent for Slaughter. (Chairman: Rt. Hon. Lord Balfour of Burleigh, D.L., J.P.). Cmnd. 154. 60g 6p

**Housing of Beef Cattle.** F.E.F. 50. (11 240590 8) 60g 17½p

**Housing of Calves.** F.E.F. 23. (11 240563 0) 60g 15p

**Loose Housing of Dairy Cows.** F.E.F. 22. (11 240562 2) 115g 31½p

**†Management of the Dairy Cow.** A.B. No. 8. 1971. (*Reprinted* 1975) (0 11 490606 8) 120g 80p

## **DAIRY FARMING**

**†Aberdeen and District Milk Marketing Scheme, 1933** (incorporating amendments made in the Scheme up to and including November 1, 1957) (49-428-0-58) 60g 9p

**Aspects of Dairy Economics.** 1st edition, 1963. A summary of the further research into the economics of milk production by the Provincial Agricultural Economics Service 1957-1960. Illustrated. (56 pp.) 170g 27½p

**Aspects of Dairy Economics. 1962-65.** 1st edition, 1967. A summary of further research into the economics of milk production by the Provincial Agricultural Economics Service 1962-65. Illustrated. (58 pp.) 170g 30p

**Aspects of Dairy Economics. 1966-69.** 1970. A summary and critique of further research into the economics of milk production. (11 240528 2) 170g 50p

**Bacteriological Techniques for Dairy Purposes.** Technical Bulletin 17, 1st edition, 1968. The bulletin contains a useful historical introduction, sections giving the technical details for preparing glassware and bacteriological media and standard methods for the examination of raw and pasteurized milk, milk products and rinses and swabs of dairy equipment and farm water supplies. The appendices contain recommendations for the application of bacteriological advisory work in relation to modern methods of milk production. (181 pp.) 60g 67½p

§† See notes on page 1



## **Livestock, Dairy Farming (*contd.*)**

- Costs and Efficiency in Milk Production. 1968–69. 1972.** A survey of costs and returns in the period from April 1968 to March 1969 on a random sample of 426 farms. (80 pp.) (11 240512 6) 170g 52½p
- Cowhouses. F.E.F. 1.** 60g 17½p
- Farm Dairies. F.E.F. 3.** 60g 10p
- Milk and Dairies (General) Regulations 1959.** Approved Chemical Agents. April, 1971. (11 240835 4) 60g 12½p
- Milk Marketing Scheme, 1933, as amended to 1955. (*Reprinted* 1966.)** Scheme under the Agricultural Marketing Act, 1931. Regulating the Marketing of Milk. (31 pp.) 115g 15p
- Milk Marketing Scheme, 1933, as amended to December 31, 1969. (32 pp.)** (11 240516 9) 115g 26p
- Milking Parlour. F.E.F. 5.** (11 240545 2) 60g 17½p
- †**Milk Quality. A.B. No. 7.** 1969. (11 490227 5) 115g 17½p
- †**North of Scotland Milk Marketing Scheme, 1934** (incorporating Amendments made in the Scheme up to and including March 31, 1961) (49–427–0–64) 60g 10p
- †**Scottish Milk Marketing Scheme, 1933** (incorporating Amendments made in the Scheme up to and including January 1, 1966) (49–260–0–66) 60g 15p
- Some Aspects of Dairy Economics. 1957.** A summary of research into the economics of milk production by the Provincial Agricultural Economics Service, 1952–1955. Illustrated. (47 pp.) (*See Aspects of Dairy Economics*) 115g 17½p

## **SHEEP**

- Energy Allowances and Feeding Systems for Ruminants.** Technical Bulletin 33. (*See under Cattle page 8*)
- Sheep Handling Pens and Baths. F.E.F. 14.** (11 240554 1) 60g 11p
- Sheep Housing. F.E.F. 47.** (11 240587 8) 60g 17½p
- †**The Shepherd's Guide. A Guide to the Diseases of Sheep and to the care and training of Sheepdogs. A.B. No. 9.** 1971. (11 490514 2) 225g 80p

## **PIGS**

- Housing the Sow and Litter. F.E.F. 51.** (11 240591 6) 60g 12p
- Housing the Pig. Bulletin 160.** 3rd edition, 1971. This revised edition reviews the basic principles and other requirements to be borne in mind in the design and management of the buildings necessary for a modern enterprise. Should be an invaluable aid to landowners, farmers, architects, builders and others concerned with these problems. Well illustrated with over 40 line drawings and 8 photographs. (112 pp.) (11 240460 X) 225g 55p
- Pig Finishing Houses. F.E.F. 46.** (11 240586 X) 115g 36½p

†*See note on page 1*



## **Livestock, Pigs (contd.)**

**Pig Husbandry and Management.** Bulletin 193. 2nd edition, 1972. (*Reprinted* 1975.) Considers the pig enterprise through every aspect from choice of system to slaughter and marketing. The author of each section is thoroughly experienced in his own field and the advice given will be of great value not only to the student but also to existing and prospective producers. Illustrated. (96 pp.) (11 241493 1) 180g £1.00

## **POULTRY**

**Avian Embryo Development.** Technical Bulletin 23. (11 240883 4) 115g £2.25

**Ducks and Geese.** Bulletin 70. 5th edition, 1973. (*Reprinted* 1975.) This Bulletin, which is illustrated with plates and line drawings, has been revised to present sound methods of rearing and management. It provides information of both eggs and meat, on breeding and stock improvement, incubation, nutrition, management and housing, processing and marketing. A section is devoted to ornamental ducks and geese. (100 pp.) (0 11 240370 0) 170g £1.05

**Incubation and Hatchery Practice.** Bulletin 148. 5th edition, 1973. This Bulletin provides basic information on how the embryo develops and concerns itself with the principles of hatchery work. The emphasis on good hygiene on the farm and at the incubator is intentional for it is still here that improvements will bring much of the possible gain. The Bulletin should provide a course handbook in hatchery management. Schools, colleges, universities and industries in developing countries should benefit from the use of this publication. Illustrated. (70 pp.) (11 240448 0) 170g 68p

**Intensive Poultry Management for Egg Production.** Bulletin 152. 4th edition, 1970. (By M. M. Midgley.) Comprehensive information on all aspects of egg production. (77 pp.) (11 240452 9) 170g 47½p

**Poultry Housing and Environment.** Bulletin 56. 6th edition, 1970. Complete revision contains latest developments on materials and construction, siting, hygiene and ventilation and other subjects which should prove useful to the poultry keeper in establishing an efficient and profitable unit. It is illustrated with line drawings and photographs. (103 pp.) (11 240356 5) 225g 55p

**Poultry Nutrition.** Bulletin 174. 4th edition, 1974. An explanation of digestion and metabolism leading into a detailed study of the vitamin and mineral requirements of various types of poultry. Contains details of ingredients, additives and supplements used when formulating diets, discusses problems of economical storage and feeding, also the value of poultry products in human diets. Illustrated with drawings and diagrams. (134 pp.) (0 11 240474 X) 225g 91p

**Rearing of Pullets.** Bulletin 54. 5th edition, 1973. An illustrated guide for the poultry keeper. This revised edition contains information on large scale intensive pullet rearing as well as some details on systems available for smaller numbers and less intensive methods. Stockmanship, the quality of stock, feeding and general management are fully discussed. (60 pp.) (0 11 240354 9) 170g 57p

**Sex-Linkage in Poultry Breeding.** Bulletin 38. 6th edition, 1966. This Bulletin describes the value of early sex identification and the importance of sex-linkage in relation to quantitative characters and commercial characteristics. Colour plates show the significant colour differences in male and female chicks produced by controlling matings. Appended is a map of sex chromosomes and a summary of single gene effects on the fowl. Known sex-linked genes of turkeys, ducks and geese are also dealt with in concise tabular form. Illustrated. (38 pp.) 170g 42½p



## **Livestock, Poultry (contd.)**

**Small Commercial Poultry Flock.** Bulletin 198. 2nd edition, 1973. (*Reprinted* 1975.) This revised edition sets out to describe the essentials for successful poultry production on a modest scale, and covers such techniques as rearing, housing and feeding and general management, for both meat and egg production. Illustrated. (37 pp.) (11 241498 2) 100g 70p

**System of Turkey Breeding.** Bulletin 185. 1st edition, 1962. (*Reprinted* 1963.) Written mainly for turkey breeders anxious to improve the overall economic merit of their stock. Includes sections on the introduction and testing of new strains, selection for fecundity and body size, and maintenance of records. (29 pp.) 115g 17½p

**Testing of Eggs for Quality.** Technical Bulletin 28. 1st edition, 1974. Describes the principles of egg candling with special reference to the EEC Marketing Regulations relating to quality standards for eggs which became applicable in the United Kingdom from 1 February 1973. After a brief description of the structure, formation and composition of the egg the Bulletin concentrates on egg candling. A section on the principles of candling equipment available is followed by a guide for egg candlers. Egg quality classes, as defined by candling, in the new Standards are summarized in tabular form. A series of colour plates within the text illustrates the various classes of egg quality as seen when the egg is intact, broken out or candled. (43 pp.) (0 11 240888 5) 170g £1.60

## **RABBITS**

**Commercial Rabbit Production.** Bulletin 50. 9th edition, 1973. (*Reprinted* 1975.) This revision has much to command the attention of the enterprising rabbit producer, advice being given on aspects from choice of breed, breeding systems, nutrition and housing to general management, marketing and economics. (39 pp.) (0 11 241350 1) 120g £1

## **DISEASES AND PESTS OF LIVESTOCK**

### **Animal Disease Surveys.**

#### **Report No. 1**

**Disease, Wastage and Husbandry in the British Dairy Herd, 1957-58.** 1st edition, 1960. (*Reprinted* 1966.) This report puts on record the result of what is believed to be the first attempt to make an unbiased assessment on a national basis of the incidence and relative importance of the disease conditions which cause wastage and loss in the national dairy herd. Illustrated. (66 pp.) 170g 22½p

#### **Report No. 2**

**Part I. Fluorosis in Cattle, Occurrence and Effects in Industrial Areas in England and Wales 1954-57.** 1st edition, 1964. Explains the methods used for the survey, the results obtained and the type of industrial environment in which the disease was most often found. (51 pp.) 115g 50p

**Part II. Fluorosis in Cattle, Development and Alleviation: Experimental Studies.** 1st edition, 1965. (58 pp.) 115g 55p

#### **Report No. 3**

**Disease Wastage and Husbandry in the British Dairy Herd, 1958-59.** 1st edition, 1964. (*Reprinted* 1965.) (By F. B. Leech, M. P. Vessey and W. D. Macrae) Losses of Breeding Ewes in England and Wales in 1958-59 (By F. B. Leech, M. P. Vessey and D. W. Menzies.) Analysed Results of Post-mortem Examinations of Sheep, 1959-61. (By L. E. Hughes.) Rhinitis of Swine, 1956-57. (By J. T. Done, Marion D. Richardson and Catherine N. Herbert.) (24-311) (48 pp.) 115g 22½p



## **Livestock, Diseases and Pests of Livestock (*contd.*)**

### **Report No. 4**

**Brucellosis in the British Dairy Herd.** 1st edition, 1964. (By F. B. Leech and W. P. Vessey, W. D. Macrae, J. R. Lawson, D. J. Mackinnon and W. J. B. Morgan.) (42 pp.) 170g 27½p

**Animal Health. A Centenary, 1865–1965.** A Century of Endeavour to control Diseases of Animals. 1.36kg £4

**Animal Health 1974.** Report of the Chief Veterinary Officer (1975) (0 11 241505 9) 210g £1.75

*(Joint publications with the Department of Agriculture and Fisheries for Scotland)*

**British Poisonous Plants.** Bulletin 161. 2nd edition, 1968. (*Reprinted* 1975.) (By A. A. Forsyth, M.R.C.V.S., D.V.S.M.) Gives the common and botanical names of poisonous plants, their effects on animals and the symptoms they induce, together with emergency first-aid treatment where possible. (0 11 240461) 131 pp. 255g 86p

**Diseases of Animals 1951 Handbook of Orders in Force.** December 31, 1971. 3rd edition 1973. (11 241031 6\*) 2.5kg £2.85

### **Handbook of Orders Relating to Diseases of Animals:**

Orders made by the Minister of Agriculture, Fisheries and Food under the Diseases of Animals Acts. 1952. 1.5kg £1

List of Orders in Force at December 31, 1971. (11 240699 8) 60g 10½p

Handbook of Orders Relating to Diseases of Animals 1968. Supplement No. 1 (also 3rd supplement to Handbook published 1951) October 1970. (11 240696 3) 45p (50p). Supplement No. 2. (Also 4th supplement to the Handbook published in 1951.) (11 240698 X) 225g 85p

**Foot-and-mouth Disease.** Report of the Committee (Chairman: Duke of Northumberland, K.G., T.D., J.P.). Part 1: March 1969. (Cmnd. 3999) (10 139990 1) 170g 75p  
Part 2: December 1969. (Cmnd. 4225) (10 142250 4) 170g 62½p

**Manual of Veterinary Parasitological Laboratory Techniques.** Technical Bulletin 18. 1st edition, 1971. Techniques and formulae advising on methods for the identification and study of animal parasites. (131 pp.) (11 240918 0) 170g 90p

**Report of Committee on Fowl Pest Policy, 1962.** 170g 35p

**Report on a General Scale List of Medical Products for the Treatment of Animals.** (Chairman: Sir Ronald Bodley Scott, K.C.V.O., M.A., D.M., F.R.C.P.) (20 pp.) (11 240637 8) 60g 10½p

**Report on the Retail Sale of Certain Veterinary Medicines to Farmers.** (Chairman: Sir R. B. Scott, K.C.V.O.) 1973 (11 240638 6) 60g 10½p

**Return of Proceedings under the Diseases of Animals Act, 1950, for the year 1975.** (0 11 241066 9) (12 pp.) 20g 22p

*(Joint publication with the Department of Agriculture and Fisheries for Scotland)*

## **III FARM CROPS AND GRASS**

### **GENERAL**

*(Including Liming, Manuring and Irrigation)*

**Capillary Watering of Plants in Containers.** M.L. 35. (*In preparation*)

**Farmyard Manure Handling.** M.L. 8. (*Reprinted* 1971) (11 240707 2) 60g 6p



## **Farm Crops and Grass, General (contd.)**

**Fertilizer Recommendations.** Bulletin 209. 1st edition, 1973. Prepared by ADAS Soil Scientists as the basis of fertilizer programming for farms, with information drawn from a wide variety of sources including Europe and North America. Special sections describe fertilizer adjustments, analytical methods, etc.; and the nitrogen needs of crops. (102 pp.) (11 240509 6) 225g 68p

**Irrigation.** Bulletin 138. 4th edition, 1974. A guide to the theory and practice of irrigation. Part 1 (General Conditions) explains how a plant's need for water is determined by soil and weather conditions. Part 2 (Planning Irrigation) shows the grower how he should arrive at the right programme for his crops. Part 3 (Equipment) deals with the components and lay-out of both indoor and outdoor irrigation systems and Part 4 (Irrigation in Practice) details the irrigation needs of a wide range of agricultural and horticultural crops. Illustrated (136 pp.) (0 11 241438 9) 280g £1.10

**Lime and Liming.** Bulletin 35. 7th edition, 1973. Emphasizes the importance of liming in conjunction with proper fertilizer treatment. Covers liming materials, the practice and effects of liming, and its uses in agriculture, horticulture and livestock farming. (50 pp.) (11 241335 8) 115g 80p

**Modern Farming and the Soil.** Report of the Agricultural Advisory Council on Soil Structure and Soil Fertility. Published October, 1970. (Chairman: Nigel Strutt, T.D., D.L.) Illustrated. (140 pp.) (11 240300 X) 280g £2.10

**Nitrogen and Soil Organic Matter.** Technical Bulletin 15. 1st edition, 1969. Record of papers presented and discussion that followed at a conference to consider the relationship between nitrogen and the organic matter in soil and to evaluate techniques for the estimation of the release of soil nitrogen for plant growth. (178 pp.) (11 240915 6) 335g £2

**Silage.** Bulletin 37. 9th edition, 1970. This edition covers the most important features of silage making and its feeding, as practised at the present time. It describes silage making, silo design and evaluation of tower silos. Feeding values and the techniques of growing, harvesting and filling silos to give a high quality silage are also discussed together with the mechanical aids for feeding. (81 pp.) (11 240337 9) 225g 47½p

**Soil Physical Conditions and Crop Production.** Technical Bulletin 29. 1st edition, 1975. Contains 34 papers presented at a three-day conference of British soil scientists, agronomists and agricultural engineers in 1972, describing past and present work on the assessment and management of soil physical fertility in the field. Includes a review of current work on soil physical conditions in western European countries. (0 11 240889 3) 505 pp. illus. 3.5kg £13

**Tanker Equipment for Disposal of Liquid Manure.** M.L. 26. (11 240683 1) 60g 6p

**Tractor Ploughing.** 4th edition, 1962. (*Reprinted* 1975) (By J. C. Hawkins, B.Sc., N.D.A.) An invaluable guide to modern tractor ploughing. Well illustrated with diagrams and photographs. (56 pp.) (11 241009 X) 170g 25p

## **CEREALS AND PULSE CROPS**

**Bulk Grain Driers.** M.L. 6. 60g 8½p

**Cereals Deficiency Payments Scheme, 1973.** 8th edition. (16 pp.) (11 241036 7) 60g 18p  
(*Joint publication with the Department of Agriculture and Fisheries for Scotland and the Ministry of Agriculture, Northern Ireland*)

**Corn Drills.** M.L. 22. 60g 6p

## **GRASS AND FODDER CROPS**

**Barn Hay Drying.** M.L. 23. Revised edition, 1971. (11 240723 4) 60g 8½p



## **Farm Crops and Grass, Grass and Fodder Crops (*contd.*)**

**Grass and Clover Crops for Seed.** Bulletin 204. 1st edition, 1968. A concise and practical guide on the production of herbage seeds. (88 pp.) 170g 39p

**Silage.** Bulletin 37. 9th edition, 1970. This edition covers the most important features of silage making and its feeding, as practised at the present time. It describes silage making, silo design and evaluation of tower silos. Feeding values and the techniques of growing, harvesting and filling silos to give a high quality silage are also discussed together with the mechanical aids for feeding. (81 pp.) (11 240337 9) 225g 47½p

## **ROOTS AND POTATOES**

### ***PRICED PUBLICATIONS***

**Potato Harvesting with Complete Harvesters.** M.L. 19. Revised August, 1973 (0 11 240719 6) 60g 6p

**Potato Marketing Scheme, 1955.** (As amended to 1st May, 1962.) Agricultural Marketing Act, 1958. 60g 15p

†**Potato Crops Certified 1975.** Register of. Comprising stocks graded 'VTSC', 'VTSC NI', 'FS', 'FS NI', 'AAI and AA' and 'AAI and AA NI'. (0 11 491360 9) 180g £1.80

## **IV FARM MANAGEMENT, FINANCE AND STATISTICS**

**Agricultural Land.**—Rights and obligations of Landlords and Tenants in England and Wales. 5th edition, 1969. (26 pp.) (11 240924 5) 115g 17½p

**Agricultural Statistics 1967–68, England and Wales.** Agricultural Censuses and Production for 1967–68 together with prices for 1967 and 1967–68. (11 240952 0) 335g £1

**Agricultural Statistics 1968–69, England and Wales.** Agricultural Censuses and Production for 1968–69 together with prices for 1968 and 1968–69. (11 240953 9) 280g £1.25

**Agricultural Statistics 1969–70, England and Wales.** Agricultural Censuses and Production for 1969–70 together with prices for 1969 and 1969–70. (11 241061 8) 1kg £1.25

**Agricultural Statistics 1970–71, England and Wales.** Agricultural Censuses and Production for 1970–71 together with prices for 1970 and 1970–71. (11 241062 6) 1kg £1.25

**Agricultural Statistics 1973.** England and Wales. Agricultural Censuses and Production. (With correction slip.) (0 11 241064 2) 208 pp. 335g £2.30

**Agricultural Statistics 1968–69, United Kingdom.** (11 241017 0) 170g 74p

†*See note on page 1*



## **Farm Management, Finance and Statistics (contd.)**

**Agricultural Statistics 1969–1971, United Kingdom.** (11 241018 9) 225g 68½p

**Agricultural Statistics 1972, United Kingdom.** (0 11 241019 7) 225g £1

Agricultural Censuses and Production with separate figures for England and Wales, Scotland, Great Britain and Northern Ireland. Price indices for main agricultural products and materials.

*(Joint publications with the Department of Agriculture and Fisheries for Scotland and the Ministry of Agriculture, Northern Ireland)*

†**Agricultural Statistics: 1972 Scotland.** (0 11 491135 5) 225g £1.04

†**Agricultural Statistics: 1973 Scotland.** (0 11 491160 6) 225g £1.04

§†**Agricultural Statistics: 1974 Scotland.** (0 11 491337 4) 225g £1.90

**Annual Review of Agriculture 1976.** (Cmnd. 6392) (0 10 163920 1) 90g 85p

**Aspects of Dairy Economics. 1963.** A summary of further research into the economics of milk production by the Provincial Agricultural Economics Service 1957–1960. Illustrated. (56 pp.) 170g 27½p

**Aspects of Dairy Economics. 1962–1965.** 1st edition, 1967. A summary of further research into the economics of milk production by the Provincial Agricultural Economics Service 1962–1965. Illustrated. (58 pp.) 170g 30p

**Aspects of Dairy Economics. 1966–69.** 1st edition, 1970. Report on results of research and statistical analyses of other investigations. (79 pp.) (11 240528 2) 170g 50p

**Business Control in Poultry Keeping.** Bulletin 191. 1st edition, 1967. Contains detailed advice on the keeping of comprehensive records on the poultry farm. (222 pp.) 350g 82½p

**Century of Agricultural Statistics. Great Britain 1866–1966.** (*Reprinted* 1968) (11 240931 8) 350g 97½p

*(Joint publication with the Department of Agriculture and Fisheries for Scotland)*

**Cereals Deficiency Payments Scheme. 1973.** 8th edition. (11 241036 7) 60g 18p

*(Joint publication with the Department of Agriculture and Fisheries for Scotland and the Ministry of Agriculture, Northern Ireland)*

**Costs and Efficiency in Milk Production, 1968–69.** (*See* page 8)

**Committee on Agricultural Valuation. Third Report.** (16 pp.) (11 240934 2) 60g 10p

### **Farm as a Business:**

1. Introduction to Management. 2nd edition, 1973. (0 11 240941 5) 225g 68p
  2. Aids to Management Beef. 2nd edition, 1969. (11 240942 3) 60g 12½p
  3. Aids to Management Sheep. 2nd edition, 1969. (11 240943 1) 60g 12½p
  5. Aids to Management Poultry. 2nd edition, 1968. (11 240945 8) 60g 12½p
  6. Aids to Management Labour and Machinery. 2nd edition, 1970. (11 240946 6) 170g 25p
  7. Aids to Management Arable Crops and Grass. (11 240947 4) 60g 12½p
  8. Aids to Management Dairying. 3rd edition, 1970. (11 240948 2) 60g 20p
- The booklets form part of a series under this general title and comprise a basic introduction to the subject, and books on the major farming enterprises and on labour and machinery.

**Farm Classification in England and Wales. 1967.** 115g 30p

**Farm Classification in England and Wales. 1968.** (11 240971 7) 280g 57½p

**Farm Classification in England and Wales 1969–70.** (11 240972 5) 225g 89p

§† *See notes on page 1*



## **Farm Management, Finance and Statistics (*contd.*)**

- Farm Classification in England and Wales 1971.** With correction slip. (11 240973 3) 225g 89p
- Farm Classification in England and Wales 1972.** (A publication of the Government Statistical Service.) (0 11 240974 1) 225g £1.04
- Farm Classification in England and Wales 1973.** (A publication of the Government Statistical Service.) (0 11 241053 7) 225g £1.38
- Farm Incomes in England and Wales. 1971-72.** (Including a comparison with 1970-71 and some reference to earlier years.) (11 241028 6) 390g £1.50
- Farm Incomes in England and Wales. 1972-73.** (Including a comparison with 1971-72 and some reference to earlier years.) (0 11 241029 4) 390g £1.60
- §Farm Incomes in England and Wales. 1973-74.** (Including a comparison with 1972-73 and some reference to earlier years.) (0 11 241030 8) 380g £4.00
- Farm Planning by Computer.** Technical Bulletin 19. 1st edition, 1971. This bulletin sets out in simple terms how the techniques of 'linear programming' can be applied to farming. It is intended for use by farm management advisers, research workers, students and business-minded farmers. (11 240919 9) 280g £1.50
- Fatstock Guarantee Scheme, 1973-74.** (11 241023 5) 115g 29p  
(*Joint publication with the Department of Agriculture and Fisheries for Scotland and the Ministry of Agriculture, Northern Ireland*)
- Management by Objectives.** 1972. Report of the Working Party. (Chairman: J. H. Perrin) (11 241011 1) 115g 26p
- Output and Utilization of Farm Produce in the United Kingdom. 1962-63 to 1965-66** (24-14-2-67) 60g 17½p
- †Planning the Farm Business.** 1967. An outline of principles and methods with example data on Scottish farming. (49-583) 225g 42½p
- †Scottish Agricultural Economics.** Some Studies of Current Economic Conditions in Scottish Farming:  
Vol. XXIII (11 490968 7) 1973. 115g 47p  
Vol. XXIV (0 11 491128 2) 1974. 115g 50p  
Vol. XXV (0 11 491185 1) 1975. 225g £1.15
- Some Aspects of Dairy Economics.** 1958. A summary of research into the economics of milk production by the Provincial Agricultural Economics Service, 1952-55. (47 pp.) 115g 17½p (*See page 15, Aspects of Dairy Economics*)
- Studies in Official Statistics No. 23. Agricultural and Food Statistics 1974.** A guide to official sources. This guide is the 3rd in a series. Revisions have been made as necessary to descriptions of various statistical series and new series added. (84 pp.) (0 11 630129 5) 335g £2
- The Structure of Agriculture, 1966.** This report gives details of agricultural holdings in the United Kingdom, their different sizes and types and the output and income of the various categories. The first part divides agricultural holdings into four size groups, and shows the contribution of each group to the total output. The second part of the report deals separately with England and Wales, Scotland and Northern Ireland. (35 pp.) 115g 17½p  
(*Joint publication with the Department of Agriculture and Fisheries for Scotland and the Home Office*)

§†*See notes on page 1*



## V FIXED EQUIPMENT AND ESTATE WORK

- Agricultural Land—Rights and Obligations of Landlords and Tenants in England and Wales.** 5th edition, 1969. (26 pp.) (11 240924 5) 115g 17½p
- Bale Handling Equipment and Systems.** M.L. 16. (11 240715 3) 60g 6p
- Barn Feed Record Pad.** 60g 10p
- Barn Hay Drying.** M.L. 23. Revised edition 1971. (11 240723 4) 60g 8½p
- Boilers for Nursery Use.** M.L. 14. (11 240714 5) 60g 8½p
- Bulk Grain Driers.** M.L. 6. 60g 8½p
- Bull Pen.** F.E.F. 16. (11 240556 8) 60g 10p
- Cattle Crushes and Equipment.** F.E.F. 13. 60g 14p
- Cattle Grids for Private Roads.** F.E.F. 7. (11 240547 9) 60g 10p
- Cowhouses.** F.E.F. 1. (11 240514 X) 60g 17½p
- Design of Horticultural Packing Sheds.** F.E.F. 44. 60g 9p
- Drainage of the Farm Homestead.** F.E.F. 21. 60g 15p
- Electric Fencing.** Bulletin 147. 4th edition, 1966. (*Reprinted, with amendments, 1972.*) Describes the theory and practical application of electric fencing as a means of containing livestock and controlling grazing. Illustrated. (36 pp.) (11 240447 2) 115g 42p
- Farm and Estate Hedges.** F.E.F. 11. (11 240551 7) 60g 14p
- Farm Buildings:**
- Floor and Roof Construction. F.E.F. 38. 60g 11p
  - Repair and Maintenance. F.E.F. 26. (11 240566 5) 60g 23½p
  - Wall Construction. F.E.F. 40. 60g 12½p
- Farm Buildings Pocketbook in Metric.** (*Reprinted 1975.*) A re-issue of the Imperial version of the pocketbook with all measurements, etc., converted to metric. (95 pp.) (11 241008 1) 110g 50p
- †**Farm Buildings for Scotland.** (Post-War Building Studies No. 22) Report of a Committee (Chairman: Wm. C. Davidson, O.B.E., J.P., F.S.I.) appointed by the Secretary of State for Scotland. 17th July, 1945. (*Reprinted 1958*) (67-11-22-58) 170g 30p
- Farm Dairies.** F.E.F. 3. 2nd edition, 1975. (0 11 241108 8) 12 pp. illus. 60g 21p
- Farm Feed Processing.** M.L. 25. (0 11 240725 0) 19 pp. illus. 115g 42p
- Farm Gates.** F.E.F. 8. (*Reprinted 1975*) (0 11 240548 7) 40g 30p
- Floor and Roof Construction.** F.E.F. 38. 60g 11p
- Glasshouse Ventilation.** M.L. 5. (0 11 240705 6) 60g 9½p
- Grain Driers: Continuous Flow and Batch Driers.** M.L. 24. (*Revised 1975*) (0 11 240681 5) 70g 18p
- Handling Unit Loads.** M.L. 32. (0 11 240690 4) 60g 6½p
- Horticultural Buildings Pocketbook.** 1st edition, 1968. This book gives some useful advice on standards, dimensions and data in the design of horticultural buildings. (85 pp.) 170g 17½p
- Housing of Beef Cattle.** F.E.F. 50. (11 240590 8) 60g 17½p
- Housing of Calves.** F.E.F. 23. (11 240563 0) 60g 15p
- Housing the Sow and Litter.** F.E.F. 51. (0 11 240591 6) 90g 60p

† See note on page 1



## **Fixed Equipment and Estate Work (*contd.*)**

- Housing the Pig.** Bulletin 160. 3rd edition, 1971. This revised edition reviews the basic principles and other requirements to be borne in mind in the design and management of the buildings necessary for a modern enterprise. Should be an invaluable aid to landowners, farmers, architects, builders and others concerned with these problems. Well illustrated with over 40 line drawings and 8 photographs. (112 pp.) (11 240460 X) 225g 55p
- Implement Shed and Farm Workshop.** F.E.F. 25. (11 240565 7) 60g 11p
- Landscape, The appearance of Farm Buildings in the.** F.E.F. 52. (11 240592 4) 60g 55p
- Loose Housing of Dairy Cows.** F.E.F. 22. (11 240562 2) 115g 31½p
- Mechanised Parlour Feed Dispensers.** M.L. 34. (0 11 241046 4) 16pp. illus. 60g 28p
- Milking Parlour.** F.E.F. 5. (11 240545 2) 60g 17½p
- Permanent Farm Fences.** F.E.F. 6. (11 240546 0) 60g 15p
- Pig Finishing Houses.** F.E.F. 46. (11 240586 X) 115g 36½p
- Pipeline Feeding of Pigs.** M.L. 29. (11 240687 4) 60g 8½p
- Potato Harvesting with Complete Harvesters.** M.L. 19. 60g 5p
- Potato Harvesting with Diggers.** M.L. 17. (*Reprinted* 1973) (11 240717 X) 60g 6p
- Preservation of Timber and Metal.** F.E.F. 17. (11 240557 6) 60g 20p
- Proofing of Buildings against Rats and Mice.** Technical Bulletin 12. 1st edition, 1965. (*Reprinted* 1975.) This bulletin describes the habits of rats and mice and proofing measures to prevent their entry into existing and new buildings. (18 pp.) 115g 65p
- Proofing of Farm Buildings against Rats and Mice.** F.E.F. 32. 60g 5p
- Refrigerated Stores for Fruit.** Bulletin 159. 2nd edition, 1965. (*Reprinted* 1971.) Gives information on the basic principles of design, construction and operation of refrigerated stores and refrigerated gas stores for fruit, with a brief reference to alternative and seasonal uses of cold stores. Illustrated. (29 pp.) (11 240459 6) 115g 30p
- Repair and Maintenance of Farm Buildings.** F.E.F. 26. (11 240566 5) 60g 23½p
- Round Timber from the Farm.** F.E.F. 42. (11 240582 7) 60g 22½p
- Sheep Handling Pens and Baths.** F.E.F. 14. (11 240554 1) 60g 11p
- Sheep Housing.** F.E.F. 47. (11 240587 8) 60g 17½p
- Shelter Belts for Farmland.** F.E.F. 15. (11 240555 X) (*Reprint in preparation*)
- Silage.** Bulletin 37. 9th edition, 1970. This edition covers the most important features of silage making and its feeding, as practised at the present time. It describes silage making, silo design and evaluation of tower silos. Feeding values and the techniques of growing, harvesting and filling silos to give a high quality silage are also discussed together with the mechanical aids for feeding. (81 pp.) (11 240337 9) 280g 47½p
- Structural Use of Timber in Farm Buildings.** F.E.F. 53. (11 240593 2) 115g 29p
- Tanker Equipment for Liquid Manure Disposal.** M.L. 26. (11 240683 1) 60g 6p
- Temporary Buildings of Pole Construction.** F.E.F. 45. 60g 5p
- Tractor Fuel Storage.** F.E.F. 29. (11 240569 X) 60g 9p
- Tree, Bush and Stump Clearance.** F.E.F. 37. Revised 1974. (0 11 240577 0) 60g 45p
- Wall Construction.** F.E.F. 40. 60g 12½p



# VI HORTICULTURE AND BEEKEEPING

## HORTICULTURE

### GENERAL

**Boilers for Nursery Use.** M.L. 14. (11 240714 5) 60g 8½p

**Control of Air Conditions in Horticultural Stores.** M.L. 12. (0 11 240669 6) 60g 36p

**Design of Horticultural Packing Sheds.** F.E.F. 44. 60g 9p

**Examination of the Horticultural Industry, 1970.** (11 241010 3) 170g 56p

*(Joint publication with the Department of Agriculture and Fisheries for Scotland)*

**Farm and Estate Hedges.** F.E.F. 11. (11 240551 7) 60g 14p

**Horticulture in Britain. Part I. Vegetables.** 1967. This publication is intended to serve as a source of detailed facts relevant to horticulture during the last two decades or so. It provides a comprehensive background of comparative statistics on vegetables and should be useful to a wide variety of interests concerned with horticulture. (430 pp.) 1.5kg £2.87½

**Horticulture in Britain. Part II. Fruit and Flowers.** 1st published 1970. This part contains similar information and statistics on fruit and flowers to that supplied on vegetables in Part I. (268 pp.) (11 240957 1) 905g £4

**Horticultural Buildings Pocketbook.** 1st edition, 1968. This book gives some useful advice on standards, dimensions and data in the design of horticultural buildings. (85 pp.) 170g 17½p

**Hot Water Treatment of Plant Material.** Bulletin 201. 2nd edition, 1972. This book provides information on the hot-water treatment of flower bulbs, corms and tubers, shallots, onion sets, chrysanthemums, strawberry runners, black currant cuttings, various other plants and seeds. Methods of calculating heat losses are explained and requirements given for treatment under different conditions. It is illustrated with photographs and diagrams. (48 pp.) (11 240501 0) 115g 42p

**Irrigation.** Bulletin 138. 4th edition, 1974. A guide to the theory and practice of irrigation. Part 1 (General Conditions) explains how a plant's need for water is determined by soil and weather conditions. Part 2 (Planning Irrigation) shows the grower how he should arrive at the right programme for his crops. Part 3 (Equipment) deals with the components and lay-out of both indoor and outdoor irrigation systems and Part 4 (Irrigation in Practice) details the irrigation needs of a wide range of agricultural and horticultural crops. Illustrated (136 pp.) (0 11 241438 9) 280g £1.10

**Lime and Liming.** Bulletin 35. 7th edition, 1973. Emphasizes the importance of liming in conjunction with proper fertilizer treatment. Covers liming materials, the practice and effects of liming, and its uses in agriculture, horticulture and livestock farming. (50 pp.) (11 241335 8) 115g 36½p

**Potential Transpiration.** Technical Bulletin 16. 1st edition, 1967. This Bulletin uses the latest versions of Penman's formulae and also contains averages of potential transpiration for all areas of England, Scotland, Ireland and Wales. Special attention has been given to the variations which occur in the neighbourhood of the coast and with change in height above sea level. Illustrated. (77 pp.) 170g 34p

**Tree, Bush and Stump Clearance.** F.E.F. 37. Revised 1974. (0 11 240577 0) 60g 45p



## FRUIT AND HOPS

**Apples.** Bulletin 207. 1st edition, 1972. The commercial production of apples is dealt with in considerable detail and from every aspect. (205 pp.) (11 240597 X) 390g £1.25

**Black Currant Varieties. Their Identification and Classification.** Technical Bulletin 11. 1st edition, 1962. Details are given of a system of classification devised by the author, while working at the National Fruit Trials at Wisley and Brogdale. A full explanation is given to the characters used for identification of all the distinct and main commercial varieties. Illustrated. (94 pp.) 225g 50p

**Cane Fruits.** Bulletin 156. 5th edition, 1975. Discusses all aspects of cane fruit production and gives detailed descriptions of specific varieties of raspberries, loganberries and blackberries, including Malling Delight, the very heavy cropping variety of raspberry. The bulletin is a useful book of reference to growers, advisers and students. (0 11 241807 4) 48 pp. illus. 115g 70p

**Flowering Periods of Tree and Bush Fruits.** Technical Bulletin 26. 1st edition, 1973. A unique record, published for the first time, of the very large numbers of cultivars maintained at the National Fruit Trials, including apples, pears, plums, gooseberries and red and black currants. Blossoming records have been taken over ten years to obtain a mean flowering time of each cultivar relative to others of its kind. (76 pp.) (11 240886 9) 170g £1

**Hop Growing and Drying.** Bulletin 164. 2nd edition, 1968. Discusses varieties, propagation, soils and climate, their establishment and the year's work in a hop garden, nutrition, diseases and pests and the picking, processing and marketing of the crop. Illustrated. (88 pp.) 225g 55p

**Horticulture in Britain. Part II. Fruit and Flowers.** First published 1970. This part contains similar information and statistics on fruit and flowers to that supplied on vegetables in Part I. (268 pp.) (11 240957 1) 510g £4

**Orchard Sprayers.** M.L. 28. (11 240685 8) 60g 9p

**Pears.** Bulletin 208. 1st edition, 1973. This bulletin gives new techniques in the production of pears, including pest and disease control, harvesting, storage and marketing. (74 pp.) (11 240508 8) 225g 68p

**Plums and Cherries.** Bulletin 119. 2nd edition, 1961. A guide to successful growing of plums and cherries, with a section on choice of site, varieties, cultivation, pruning, pest and disease control and marketing. Illustrated with maps, diagrams and photographs. (74 pp.) 225g 30p

†**Raspberry and Pests Diseases in Scotland.** A.B. No. 5. 1969. (11 490155 4) 115g 17½p

**Refrigerated Stores for Fruit.** Bulletin 159. 2nd edition, 1965. (*Reprinted* 1971.) Gives information on the basic principles of design, construction and operation of refrigerated stores and refrigerated gas stores for fruit, with a brief reference to alternative and seasonal uses of cold stores. Illustrated. (29 pp.) (11 240459 6) 115g 30p

**Soils and Manures for Fruit.** Bulletin 107. 4th edition 1975. This revised edition which takes account of recent developments in fruit growing practice, provides detailed information designed to help intending or established growers to avoid or overcome some of the basic obstacles to profitable fruit production. The main fruit growing areas and their soils are also described. (0 11 241407 9) 76pp. illus. 170g £1.89

† See note on page 1



## Horticulture (*contd.*)

**Strawberries.** Bulletin 95. 8th edition, 1970. Provides information on all aspects of strawberry growing including choice of site, cultural operations and marketing. Other subjects covered are propagation (including mist propagation), cold storage of runners, the certification scheme and eligibility under the Plant Breeder's Rights (Strawberries) 1966. Illustrated. (85 pp.) (11 240395 6) 225g 52½p

†**Strawberries Pests and Diseases in Scotland.** A.B. No. 10. 1971. (11 490635 1) 115g 27½p

## VEGETABLES

†**Commercial Tomato Growing in Scotland.** A.B. No. 11. 1972. (11 490771 4) 115g 42p

**Horticulture in Britain. Part I. Vegetables.** First published 1967. This publication is intended as a source of detailed facts relevant to horticulture during the last two decades or so. It provides comprehensive background of comparative statistics on vegetables and should be useful to a wide variety of interests concerned with horticulture. (430 pp.) 935g £2.87½

**Watercress Growing.** Bulletin 136. 3rd edition, 1967. (*Reprinted with minor corrections, 1968.*) The various methods of cultivation employed throughout the country have been studied and a system devised and described in detail. Illustrated. (35 pp.) (11 240436 7) 115g 27½p

## GLASSHOUSES AND FOOD CROPS UNDER GLASS

**A Manual of Cucumber Production.** Bulletin 205. 1st edition, 1969. A comprehensive guide to all aspects of commercial cucumber growing, including production techniques and a study of crop diseases, pests and disorders, their causes and symptoms and the remedies which can be applied. (118 pp.) (11 240505 3) (*Reprint in preparation*)

**Boilers for Nursery Use.** M.L. 14. (11 240714 5) 60g 8½p

**Fuels and Firing Equipment for Nurseries.** H.M.L. 4. 60g 2½p

**Glasshouse Heating Systems.** M.L. 27. 60g 9p

**Glasshouse Ventilation.** M.L. 5. (0 11 240705 6) 60g 9½p

**Preservation of Timber and Metals.** F.E.F. 17. (11 240557 6) 60g 20p

**Pumps and Pipe Work for Heating Systems.** M.L. 3. 60g 5p

## FLOWERS

**Carnation Production, A Manual of.** Bulletin 151. 3rd edition, 1967. (*Reprinted 1968.*) This edition is in four parts. The first describes a typical crop grown on a modern nursery and the remainder critically examine production techniques. Information on propagation, nutrition, bed construction, marketing, the use of lighting, pests, diseases and disorders is given together with reviews of recent research. Illustrated with diagrams and photographs. (158 pp.) (11 240451 0) 335g 72½p

**Bulb and Corm Production.** Bulletin 62. 5th edition, 1964. (*Reprinted 1967.*) All aspects of bulb production are dealt with, including preparation of the soil, planting, weed control, roguing, lifting, cleaning, grading and storing of bulbs. (*Reprint in preparation*)

†*See note on page 1*



## **Horticulture, Flowers (*contd.*)**

**Diseases of Cultivated Plants.** Technical Bulletin 25. 1st edition, 1972. A comprehensive, well-illustrated reference book for all concerned with the plant disease position in England and Wales. (322 pp.) (11 240885 0\*) 510g £3

**Flowers from Bulbs and Corms.** Bulletin 197. 1st edition, 1967. Deals in detail with 22 different kinds of flowers and attention is given to their cultivation, planting, lifting, protection against diseases and pests, storage and preparation for market. (140 pp.) (24-204-97) 240g 62½p

**Horticulture in Britain. Part II. Fruit and Flowers.** First published 1970. (11 240957 1) 510g £4 (*See Fruit and Hops*, page 20)

**Internal Stages of Bulb Development.** Technical Bulletin 22. 1st edition, 1970. Describes the process of dissection of bulbs to expose the flower parts and illustrates fully the stages of development of daffodils and tulips, giving guidance to growers who wish to prepare bulbs for early forcing. (12 pp.) (11 240922 9) 60g 17½p

**Pests of Ornamental Plants.** Bulletin 97. 3rd edition, 1974. This is the first new edition for more than twenty years. The text has been entirely rewritten and most of the 163 photographs are new to this Bulletin. Descriptions of the pests are arranged systematically and cover insects, woodlice, millipedes, symphylids, mites, earthworms, slugs and snails, eelworms, birds and mammals. A key to the diagnosis of pest damage is included to enable readers to proceed from symptoms on the plant to the pest causing them and so to the relevant part of the bulletin. Control recommendations are given under each pest while types of control measures are discussed in a general section. There is a list of further reading and a comprehensive index which includes pests, host plants and pesticides. (175 pp.) (11 240397 2) 390g £3.65

## **GARDENS AND ALLOTMENTS**

*Although some of these publications are addressed primarily to the commercial grower they will also be of interest to the amateur gardener.*

**Home Preservation of Fruit and Vegetables.** Bulletin 21. 13th edition, 1972. Revision again based upon research carried out at Long Ashton Research Station, the principles of food preservation being described. Methods of bottling, canning, freezing, storing and drying fruit, vegetables and nuts, and recipes for making jams, marmalades, jellies, syrups, pickles and sauces, etc., can be used satisfactorily in any household kitchen. Illustrated. (135 pp.) (11 241321 8) 280g 65p

## **BEEKEEPING**

**Beekeeping.** Bulletin 9. 11th edition, 1973. An introduction to the theory and practice of the management of colonies of bees. This new edition includes recent thoughts on such items as single-walled hives and taking swarms. (25 pp.) (11 241209 2) 115g 26p



## Horticulture, Beekeeping (*contd.*)

**Diseases of Bees.** Bulletin 100. 4th edition, 1969. (*Reprinted* 1975.) A description of the diseases likely to attack bees in this country, with symptoms, characteristics and methods of control. Illustrated. (0 11 240400 6) 34 pp. 115g 71p

**Swarming of Bees.** Bulletin 206. 2nd edition, 1973. (*Reprinted* 1974.) This bulletin, compiled by the Ministry's Bee Group, discusses the various influences responsible for the swarming of bees and the prevention, detection and control of swarming. (38 pp.) (11 240506 1) 115g 70p

## VII WEEDS, PLANT PESTS AND DISEASES

### WEEDS AND WEED CONTROL

**Control of Aquatic Weeds.** Bulletin 194. 2nd edition, 1973. A study of new mechanical and scientific methods of water weed control, replacing older traditional use of unskilled manual labour. (68 pp.) (11 240494 4) 115g 47p

**Laboratory Methods for Work with Plant and Soil Nematodes.** Technical Bulletin 2. 5th edition, 1970. Describes the specialized methods used, such as sampling, light microscopy, photomicrography, sectioning and preparation for electron microscopy. The extraction of nematodes from soil and plant material, handling, processing and mounting; drawing and measuring, and culturing nematodes. Illustrated. (148 pp.) (11 240902 4) 335g £1.15

### PESTS AND DISEASES

#### GENERAL

**British Species of *Dysaphis* Börner, Part II.** 1963. The Subgenus *Dysaphis* sensu stricto. (By H. L. G. Stroyan, M.A.) The second part of a revision, which includes an explanation of the change of generic name and other developments since the publication of Part I in 1959. The subgeneric characters of the subgenus *Dysaphis* are discussed and the remaining 19 species and subsections of the fauna treated in detail. An appendix collating worldwide morphological and biological information relative to the genus *Dysaphis* and tables of Biometric Data are included. Illustrated. (119 pp.) 390g £3.50

**British Species of *Sappaphis* Mastsumura, Part I.** 1957. (*Reprinted* 1965.) Introduction and Subgenus *Sappaphis* sensu stricto. (By H. L. G. Stroyan, M.A.) A revision which includes a check-list and description of the species, their generic characters, biology, phylogeny and food-plants. It also contains notes on morphological terminology, systematic treatment, tables of biometric data and detailed drawings of species. Illustrated. (59 pp.) 280g £3.37½

**Common Names of British Insects and other Pests.** Technical Bulletin 6. 2nd edition, 1968. (Compiled by I. Thomas, H. W. Janson and Audrey D. Aitken.) Scientific and common names are in alphabetical order and they have been brought up to date. The largest number of changes have occurred in the aphids, leafhoppers, moths and mites. (72 pp.) (*Out of print*)

**Diseases of Cultivated Plants.** (*See Flowers* page 22)



## **Weeds, Plant Pests and Diseases, General (*contd.*)**

**Laboratory Methods for Work with Plant and Soil Nematodes.** Technical Bulletin 2. 5th edition, 1970. Describes the specialized methods used, such as sampling, light microscopy, photomicrography, sectioning and the preparation for electron microscopy. The extraction of nematodes from soil and plant material, handling, processing and mounting; drawing and measuring; and culturing nematodes. Illustrated. (148 pp.) (11 240902 4) 335g £1.15

**Pests of Ornamental Plants.** Bulletin 97. 3rd edition. (*See Flowers page 22*)

**Plant Nematology.** Technical Bulletin 7. 2nd edition, 1965. This book contains basic materials on morphology, biology and systematics, with a brief discussion on the importance of the groups, and reviews practical aspects with the emphasis on temperate conditions. Comprehensive reference lists and an appendix are also included. Illustrated. (282 pp.) (*Out of print*)

## **FARM CROPS**

**Sugar Beet Pests.** Bulletin 162. 3rd edition, 1972. First published in 1957 to aid the recognition and control of these pests. This latest edition has been prepared by Dr. F. G. W. Jones of Rothamsted Experimental Station and Dr. R. A. Dunning of the associated Broom's Barn Experimental Station who were the joint authors of the previous edition. Like its predecessor, the present edition contains a guide to the recognition of pest damage, including a list of symptoms: insect and allied pests, eelworm pests, and bird and mammal pests. These sections include descriptions of the pests, their life cycles and the injury they cause to sugar beet, and recommendations are made for controlling them. There is also a section on other troubles that may be confused with pest damage. Illustrated. (108 pp.) (11 241462 1) 225g £1.35

## **VEGETABLES**

**Diseases of Vegetables.** Bulletin 123. 6th edition, 1969. Each vegetable is taken alphabetically and the diseases likely to attack it are described. Control measures are also given. (110 pp.) (11 240423 5) 280g 62½p

## **GLASSHOUSE AND FLOWER CROPS**

**Carnation Production, A Manual of.** Bulletin 151. 3rd edition, 1967. (*Reprinted 1968.*) This edition is in four parts. The first describes a typical crop grown on a modern nursery and the remainder critically examine production techniques. Information on propagation, nutrition, bed construction, marketing, the use of lighting, pests, diseases and disorders is given together with reviews of recent research. Illustrated with diagrams and photographs. (158 pp.) (11 240451 0) 335g 72½p

**Narcissus Pests.** Bulletin 51. 6th edition, 1970. This bulletin will be of great interest to commercial growers of narcissi as well as to students and others interested in the biology of pests. The book brings up to date our knowledge of the important pests which attack narcissus crops and gives details of tested and practical methods of control. Illustrated in colour and black and white. (40 pp.) (11 240351 4) 170g 65p



## VIII FARM SAFETY

- Fumigation with Aluminium Phosphide Preparations.** 1972. (11 240523 1) 60g 22p
- Fumigation with Ethylene Oxide.** Precautionary Measures. 1969. *Reprinted* 1975. (0 11 240935 0) 60g 22p
- Fumigation with the Liquid Fumigants Carbon Tetrachloride, Ethylene Dichloride and Ethylene Dibromide.** 3rd edition, 1973. (11 240522 3) 60g 10½p
- Fumigation with Methyl Bromide.** Precautionary Measures 1972. 3rd edition, 1973. (11 240524 X) 60g 13p
- Safety, Health, Welfare and Wages in Agriculture.** Report for January 1 to December 31, 1969. (11 240992 X) 60g 11p
- Safety, Health, Welfare and Wages in Agriculture.** Report for January 1 to December 31, 1970. (11 241012 X) 60g 12p
- Safety, Health, Welfare and Wages in Agriculture.** Report for January 1 to December 31, 1971. (11 241013 8) 60g 12p
- Safety, Health, Welfare and Wages in Agriculture.** Report for January 1 to December 31, 1972. (0 11 241014 6) 115g 45p
- §**Safety, Health, Welfare and Wages in Agriculture.** January 1 to December 31, 1973. (0 11 2410154 4) 80g 60p
- Toxic Chemicals in Agriculture: Risks to Wild Life.** Report of the Working Party (Chairman: Prof. S. Zuckerman, C.B., F.R.S.) 60g 7½p
- Toxic Chemicals in Agriculture and Food Storage.** 1961. Report of the Research Study Group set up to study the need for research into the effects of the use of toxic chemicals in agriculture and food storage. (65 pp.) 170g 22½p

## IX MACHINERY

- Bale Handling Equipment and Systems.** M.L. 16. (11 240715 3) 60g 6p
- Barn Hay Drying.** M.L. 23. (*Revised* 1971) (11 240723 4) 60g 8½p
- Combine Harvesters.** M.L. 18. 60g 7½p
- Corn Drills.** M.L. 22. 60g 6p
- Farm Feed Processing.** M.L. 25. (0 11 240725 0) 115g 42p
- Farm Seed Cleaning and Grading Machinery.** M.L. 11. (11 240686 6) 60g 5p
- Farmyard Manure Handling.** M.L. 8. (*Reprinted* 1971) (11 240707 2) 60g 6p
- Fertilizer Distribution and Handling.** M.L. 15. (0 11 240672 6) 20g 12p
- Field Crop Sprayers.** M.L. 2. (*Reprinted* 1976) (0 11 240659 9) 80g 30p
- Forage Harvesters.** M.L. 13. (*Revised* 1970) (11 240670 X) 60g 9p
- Grain Driers: Continuous Flow and Batch Driers.** M.L. 24. (0 11 240724 2) 60g 18p
- Handling Unit Loads.** M.L. 32. (0 11 240690 4) 60g 6½p
- Machinery for Swath Treatment of Hay.** M.L. 4. (11 240704 8) 60g 6p
- Mowers.** M.L. 1. (11 240701 3) 60g 6p
- Orchard Sprayers.** M.L. 28. (11 240685 8) 60g 9p

§*See note on page 1*



## **Machinery (*contd.*)**

**Pipeline Feeding of Pigs.** (*See* page 18)

**Potato Harvesting with Complete Harvesters.** M.L. 19. 60g 5p

**Potato Harvesting with Diggers.** M.L. 17. (11 240717 X) 60g 6p

**Pumps and Pipework for Heating Systems.** M.L. 3. 60g 5p

**Sugar Beet Harvesting.** M.L. 9. 60g 5p

**Tanker Equipment for Liquid Manure Disposal.** M.L. 26. (11 240683 1) 60g 6p

**Tractor Fuel Storage.** F.E.F. 29. (11 240569 X) 60g 9p

**Tractor Ploughing.** 4th edition, 1962. (*Reprinted* 1974.) A guide to modern tractor ploughing techniques. Illustrated. 56 pp. 170g 25p

## **DRAINAGE AND WATER SUPPLY**

**Drainage of the Farm Homestead.** F.E.F. 21. 60g 15p

**Guide to the Land Drainage Act 1961.** 60g 6p

**Irrigation.** Bulletin 138. 4th edition, 1974. A guide to the theory and practice of irrigation. Part 1 (General Conditions) explains how a plant's need for water is determined by soil and weather conditions. Part 2 (Planning Irrigation) shows the grower how he should arrive at the right programme for his crops. Part 3 (Equipment) deals with the components and lay-out of both indoor and outdoor irrigation systems and Part 4 (Irrigation in Practice) details the irrigation needs of a wide range of agricultural and horticultural crops. Illustrated (136 pp.) (0 11 241438 9) 280g £1.10

**Land Drainage in England and Wales.** 1950. Report of the Land Drainage Legislation Sub-Committee of the Central Advisory Water Committee (Chairman: Lt.-Col. Sir Arthur Heneage, D.S.O., D.L., J.P.) 170g 22½p

**Water for Irrigation.** Bulletin 202. 1st edition, 1967. This bulletin, prepared by Ministry engineers, gives guidance on irrigation water supply problems and especially the design, construction for use of farm water storage. Illustrated. (97 pp.) 225g 45p

## **X OTHER SUBJECTS**

### **WILD ANIMALS INCLUDING BIRDS**

**Control of Rats and Mice.** Bulletin 181. 2nd edition, 1970. Discusses various methods of controlling rats and mice and gives information on the more recently introduced poisons, alpha-chloralose, coumatetralyl and chlorophacinone. Aimed primarily at those responsible for rodent control, students and other readers will find it of general interest. (28 pp.) (11 240481 2) 115g 50p

**Control of Rats in Sewers.** Technical Bulletin 10. 1st edition, 1960. This bulletin will be of considerable help to local authorities engaged in keeping down the number of rats in sewers. As well as containing information on control techniques, it emphasizes the importance of planning to achieve good results. Illustrated. (22 pp.) 115g 12½p

**Proofing of Buildings against Rats and Mice.** Technical Bulletin 12. 1st edition, 1965. (*Reprinted* 1966.) This bulletin describes the habits of rats and mice and proofing measures to prevent their entry into existing and new buildings. Illustrated. (18 pp.) 115g 20p



## Other Subjects, Wild Animals Including Birds (*contd.*)

**Review of the Persistent Organochlorine Pesticides.** (Chairman: Sir James Cook, F.R.S., D.Sc., Ph.D., F.R.I.C., Vice-Chancellor University of Exeter.) Report by the Advisory Committee on Poisonous Substances used in Agriculture and Food Storage to the Minister of Agriculture, Fisheries and Food, the Minister of Health and the Secretary of State for Scotland. (*Reprinted* 1965.) 170g 25p. Supplementary Report on Pesticides and other Toxic Chemicals. 60g 6p

**Further Review of Certain Persistent Organochlorine Pesticides used in Great Britain.** Report by the Advisory Services Committee on pesticides and other toxic chemicals. (152 pp.) (11 270152 3) 225g 62½p

§**Squirrels.** Bulletin, 184. 1st edition 1962. (*Reprinted, with minor amendments, 1975.*) Deals extensively in Britain and describes the research and trials carried out by the Ministry and Forestry Commission. Illustrated. (45 pp.) (0 11 240484 7) 150g £1.10

## MISCELLANEOUS

**ADAS Science Arm. Annual Report, 1972.** 1st edition, 1974. This is the first annual report of the Science Arm of the Agricultural Development and Advisory Service. It contains separate accounts of the investigation and advisory activities of each discipline—Analytical Services, Entomology, Microbiology, Nutrition Chemistry, Plant Pathology and Soil Science, and a brief report on the Aerial Photography Unit. There are also a number of special articles on such topics as mycotoxins in animal feeding-stuffs, the digestibility and energy value of forages and the Wheat Yellow Rust epidemic in 1971–2. Illustrated. (206 pp.) (11 241091 X) 390g £2.85

**ADAS Science Arm. Annual Report 1973.** This is the second annual report of the Science Arm of the Agricultural Development and Advisory Service. The Report emphasizes investigational and advisory work undertaken in England and Wales in Analytical Services, Entomology, Microbiology, Nutrition Chemistry, Plant Pathology, Soil Science and Aerial Photography. Special articles are also featured describing, for example, metabolizable energy systems for beef and dairy cattle; maize silage; odour control in pig slurry; and nitrogen fertilizer recommendations for cereals. Illustrated. (257 pp.) (0 11 241092 8) 450g £5.50

§**ADAS Science Service. Annual Report 1974.** The present report, which follows the predecessors, is the third in the series and comprises the individual reports of the several disciplines—analytical services, entomology, microbiology, nutrition chemistry, plant pathology and soil science—and of special units such as Aerial Photography and Pesticide Residues. Included amongst these individual reports are several short articles dealing with relevant topics that require some expanded explanatory exposition. Illustrated. (233 pp.) (0 11 241093 6\*) 390g £6

†**Agriculture in Scotland.** Report of the Department of Agriculture and Fisheries for Scotland, 1975. (Cmnd. 6422) (0 10 64220 2) 150g £1.15

**Analysis of Agricultural Materials.** Technical Bulletin 27. 1st edition, 1973. Contains 58 analytical methods used in the laboratories of the ADAS for the determination of a wide variety of components in animal feeding-stuffs, milk, plant materials and soils. Includes preparation of plant materials and soils prior to analysis. With layflat spiral binding. (150 pp.) (11 240887 7) 405g £1.65

§†*See notes on page 1*



## Other Subjects, Miscellaneous (*contd.*)

**Beneficial Insects and Mites.** Bulletin 20. 6th edition, 1970. (By B. D. Moreton, B.Sc.) Describes predators and parasites of harmful insects and the role played by these beneficial insects, in conjunction with pesticides, in the control of pests. Illustrated. 4 pp. coloured plates. (118 pp.) (11 240320 4) 225g 85p

**British Species of *Sappaphis* Matsumura.** Part I. 1957. (*See* page 24.)

**British Species of *Dysaphis* Börner.** Part II. 1963. (*See* page 23.)

**British Species of *Sappaphis* Matsumura, Index to a Revision of the:** Part I. Introduction and Subgenus *Sappaphis* sensu stricto and a Revision of the British Species of *Dysaphis* Börner (*Sappaphis* Auctt. Nec Mats.); Part II. The Subgenus *Dysaphis* sensu stricto. (By H. L. G. Stroyan, M.A.) 60g 15p

**Capital and Credit to United Kingdom Agriculture, Availability of.** 1973. (By Prof. J. S. G. Wilson.) (266 pp.) Illustrated. (11 241095 2) 650 g £9.50

**Control of Rats in Sewers.** Technical Bulletin 10. 1st edition, 1960. This bulletin will be of considerable help to local authorities engaged in keeping down the number of rats in sewers. As well as containing information on control techniques, it lays emphasis on the importance of planning to achieve good results. Illustrated. (22 pp.) 115g 12½p

**Control of Rats and Mice.** Bulletin 181. 2nd edition, 1970. Discusses various methods of controlling rats and mice and gives information on the more recently introduced poisons, alpha-chloralose, coumatetralyl and chlorophacinone. Aimed primarily at those responsible for rodent control, students and other readers will find it of general interest. (*Reprinted* 1974) (28 pp.) (0 11 240481 2) 115g 57p

†**Crofters Commission.** Annual Report, 1974 (Chairman: J. S. Grant, C.B.E.) (0 11 491324 2) 48 pp. 150g 45p

**Farmers' Weather.** Bulletin 165. 2nd edition, 1964. (*Reprinted, with minor corrections, 1966.*) Previously under the title 'Weather and the Land'. This bulletin has been completely rewritten and should profit not only farmers but those who are concerned directly or indirectly with the land. The Meteorological Office gives details of individual services. Illustrated. (68 pp.) 170g 27½p

†**Farming the Red Deer 1974.** First report of investigations by the Rowett Research Institute and the Hill Farming Research Organization. Illustrated. (93 pp.) (*Reprinted* 1976) (0 11 491183 5) 320g £2.10

§**Insect Travellers.** Vol. 1. Coleoptera. Technical Bulletin 31. 1st edition, 1975. Summarized records of all beetles introduced into this country in ships' cargoes from about 1942 to 1969. Tables show incidence of the insects introduced, classified according to country or zoogeographic region of origin, commodity on which found, and frequency of occurrence. Notes on the biology of common and some less common species. (199 pp.) (0 11 240891 5) 620g £4.25

Vol. 2, dealing with other orders of insects is *in preparation*

**Intervention Board for Agricultural Produce.** Report for the Calendar Year 1974. (Cmnd. 6033) (0 10 160330 4) 56 pp. 115g 52p

§† *See notes on page 1*



## Other Subjects, Miscellaneous (*contd.*)

§**Pest Infestation Control 1971-73.** The report is divided into five sections, dealing with biology and control of the pests; chemical and biochemical studies to elucidate the mode of action of pesticides and to find methods for analysing their residues in food-stuffs and in animal tissues; pesticides and wildlife incidents and insect infestation imports; and the Laboratory's information and training work and contribution to international activities. (285 pp.) Illustrated (0 11 240977 6) 450g £5.25

†**Land Use in the Highlands and Islands, 1964.** (49-551-067) 280g 60p

**Laxton. The Last English Open Field System. A Guide.** 1st edition, 1964 (*Reprinted, with minor corrections*, 1970) (By the late J. D. Chambers, one time Professor of Economic History, University of Nottingham.) (43 pp.) (11 240929 6) 170g 40p

**Medicines Commission.** Annual Report for 1974 of the Medicines Commission, Committee on the Safety of Medicines, Veterinary Products Committee, British Pharmacopoeia Commission. (HCP 442, 1975) (0 10 024425 4) 130g 95p

**Northern Pennines Rural Development Board.** Second Annual Report to March 31, 1971. (Chairman: T. J. Cowen, M.B.E.) (12 pp.) (11 240511 8) 60g 15p

**Oceanographic and Meteorological Research in Relation to Sea Defence.** 1962. First Report of the Advisory Committee. (Chairman: Prof. J. Proudman, C.B.E., M.A., D.Sc., LL.D., F.R.S.) 60g 10p

**Output and Utilization of Farm Produce in the United Kingdom. 1958-9 to 1962-3.** 60g 15p (With correction.)

**Output and Utilization of Farm Produce in the United Kingdom. 1962-3 to 1965-6.** 60g 17½p

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